

A. Illustrative Design Schemes

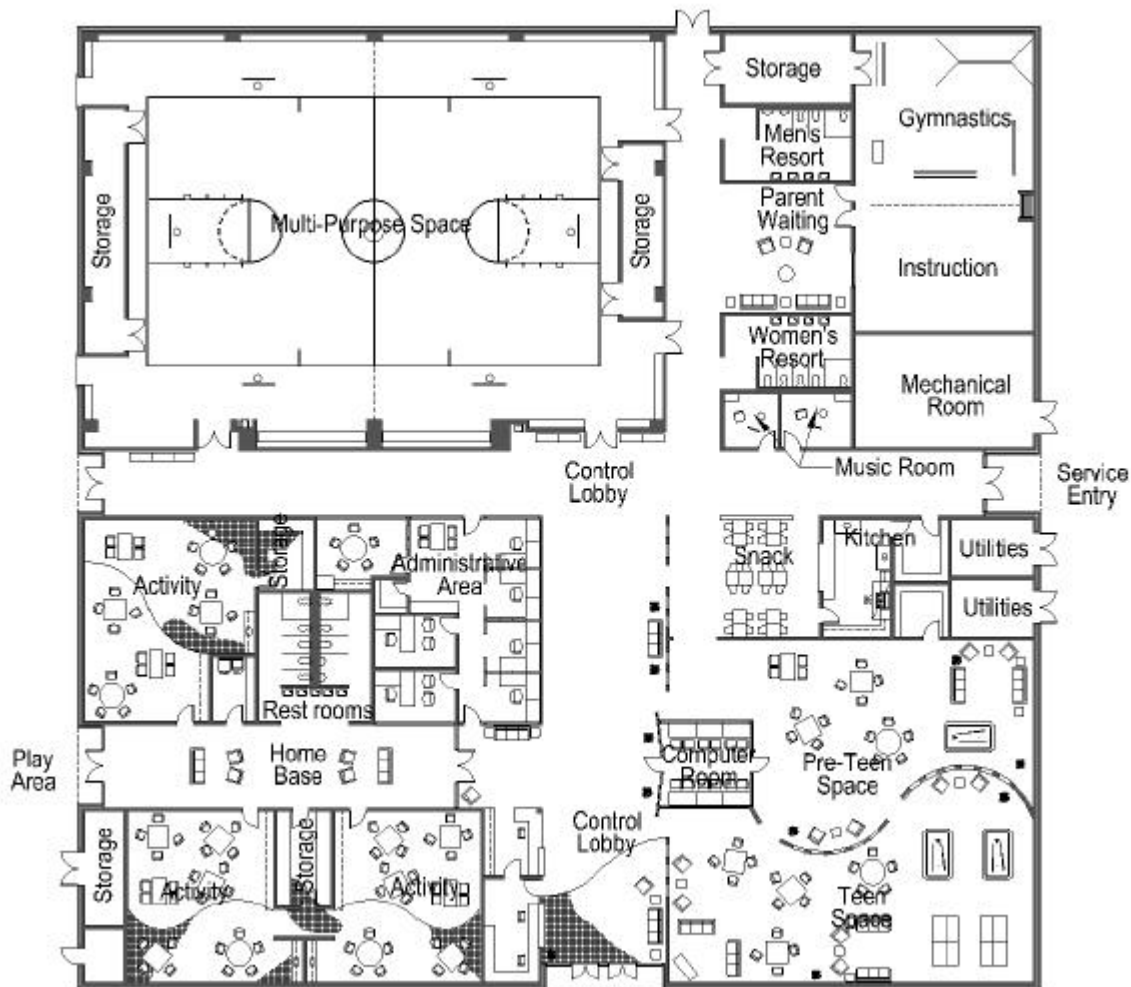
Each project design shall be a unique concept appropriate for the local character of the base and the chosen site. Illustrative design schemes for two different sized Youth/School Age Activity centers, based on the programs listed in Tables 5-4 and 5-5, are provided. The design scheme of Figures 6-1 illustrates a diagrammatic plan, based on the general organizing principles of Figure 5-1 and the assumed conditions and requirements of a particular base. The illustrative final design of Figure 6-2 is included to suggest possible elaboration on the diagrammatic plan.

1. Scheme 1 Program

Fig. 6-1 shows an example of a Youth and School Age Facility sized according to the basic requirements provided a facility with 24 students per space in the School Age Facility and a total of 96 youths.

The spaces meet the adjacency and visibility requirements in a facility of this nature. It also allows visitors easy access to the public spaces

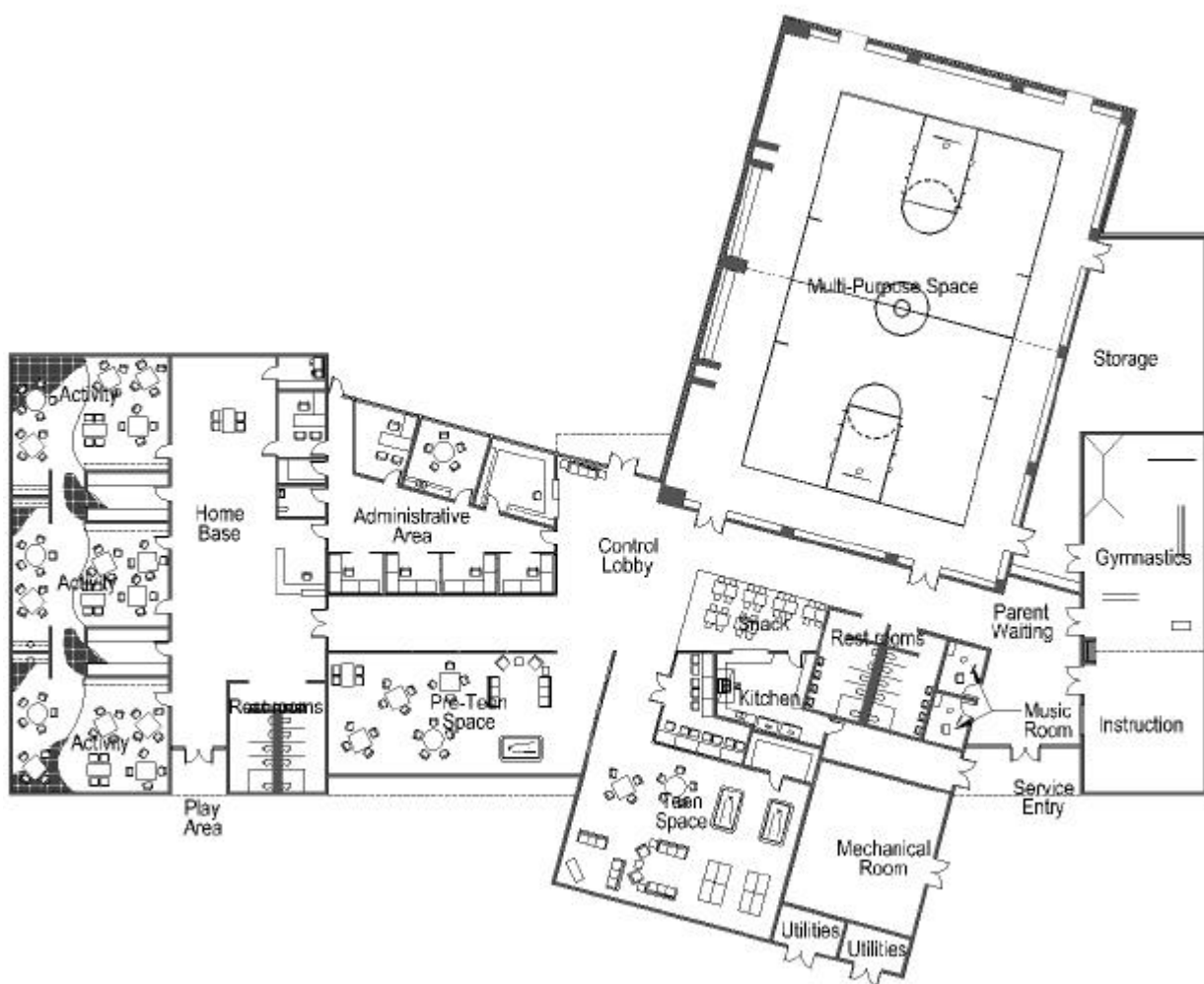
*Figure 6-1
Illustrative Final Design*



2. Scheme 2 Program

Figure 6-2 shows an example of a Youth and School Age Facility for a slightly larger population than the basic requirements provided. These spaces meet the adjacency and visibility requirements for a facility of this nature.

*Figure 6-2:
Illustrative Final Design*



B. Administration Areas

The administration area consists of the School Age Coordinator, Youth Director, Teen Coordinator, Teen and Pre-Teen Programmer, TNG Specialist, and Sports Director, Business/Transaction Office and the Break/Training Room. These spaces must be located adjacent to each other with access to the lobby. The Break/Training Room should be located in a private area, separated from the activity areas. All of these spaces, with the exception of the Break/Training Room, require visibility from the lobby and to all of the activity spaces. Fig 6-3 outlines the space adjacencies for the School Age Coordinator, Youth Director, Teen Coordinator, Teen and Pre-Teen Programmer, TNG Specialist, and Sports Director, and the Business/Transaction Office

*Figure 6-3:
Administrative Area*



1. Use

- a. School Age Coordinator
 - " Coordinates the various activities for the School Age Children
- b. Youth Director, Teen Coordinator, Teen and Pre-Teen Programmer, TNG Specialist, and Sports Director
 - " Organize and coordinate activities for the Youth/Staff
- c. Business Office
 - ? Takes care of Business Transactions and Bill collection
- d. Break/Training Room
 - ? For meetings, eating and training

2. Circulation and Layout

- a. School Age Coordinator
 - ? The Office should be separate but accessible to other Coordinators, Programmers, Directors and School Age Facility
- b. Youth Director, Teen Coordinator, Teen and Pre-Teen Programmer, TNG Specialist, and Sports Director
 - " Access to activity areas
 - " Close to Break/Training Room
 - " Separate but accessible by youth.
- c. Business Office
 - " Near Pickup, Drop Off, Entry
 - " Access to Administration area
- d. Break/Training Room
 - " Adjacent to Youth Director, Teen Coordinator, Teen and Pre-Teen Programmer, TNG Specialist, and Sports Director Spaces

3. Size

See table 5-4

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Youth / School Age Center

4. Materials and Finishes

- a. Floor- Carpet in the School Age Coordinator, Youth Director, Teen Coordinator, Teen and Pre-Teen Programmer, TNG Specialist, and Sports Director, and Business Offices, for sound absorbency.
- b. Walls-sound absorbent material, some tackable space.
- c. Ceiling- acoustically absorbent.

5. Furnishings and Equipment

- a. School Age Coordinator and Youth Director
 - ☐ Desk
 - ☐ Credenza
 - ☐ Chairs for multiple persons
 - ☐ File cabinet
- b. Teen Coordinator, Teen and Pre-Teen Programmer, TNG Specialist, and Sports Director
 - ☐ Office Systems Furniture
 - ☐ Chairs
 - ☐ Counter
 - ☐ File Cabinet
- c. Business Office
 - ☐ Documents Storage
 - ☐ Desks
- d. Break Training Room
 - ☐ Flexible Layout
 - ☐ Table for 6-8 persons
 - ☐ Chairs

6. Environmental Controls-

general illumination of 30-40 foot candles shall be achieved. Task lighting shall also be utilized when possible.

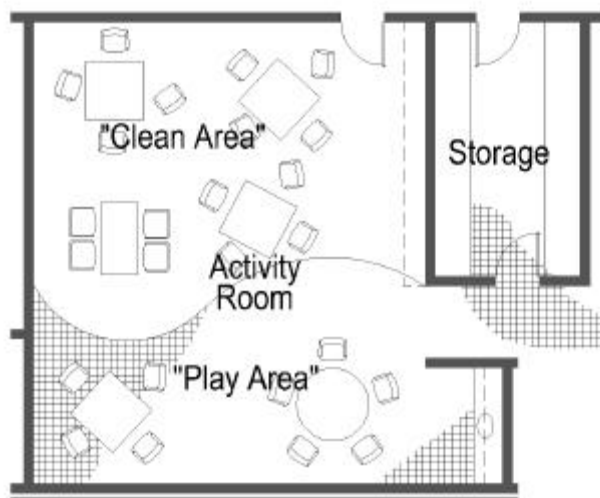
C. School Age Spaces

The School Age Spaces contain the Activity rooms and Support Spaces. These spaces should be located closely to each other. Within the Activity Rooms should be a storage room, wash area and two flooring materials to distinguish "Play Area" from "Clean Area" as shown in Fig. 6-4.

1. Use

- a. Activity Room- Stations for play and learning are placed through out the room. Interaction is highly encouraged among the students and the adjacent activity rooms. The number of activity rooms shall be defined by the needs of the Base
- b. "Activity Rooms"
 - 1) Arts and Craft/Woodworking
 - a. Hard floors for ease of cleaning and durability
 - 2) Theater and Dance
 - a. Optimum location for SA stage
 - b. Combine hard and soft flooring materials to delineate activity areas and aid in sound absorption

Figure 6-4"
School Age Space



3. Quiet Homework/ Study/ Computer
 - c. The computer activities here should be of the quiet type. Interactive computer usage and games distract from serious work and should be focused elsewhere.
 - d. Carpet for acoustic control and floor seating
4. Science/Nature/Mathematics
 - a. Combine hard and soft flooring materials to delineate activity areas and aid in sound absorption.
- c. Support Spaces- These spaces include storage room and outdoor play area.

2. Circulation and Layout

- a. Activity Room- Visibility is the most critical issue with the Activity Spaces. The halls and doors leading to and from the spaces should be seen from the lobby, control counter and administration area. "Safe Areas" must also be created to distinguish quiet/ clean areas from play areas. This is to be accomplished by having two flooring materials in the same space. The washable area is to be placed in the "play area." Each activity room shall have at least one exit that discharges directly to the outside.
- b. Support Spaces- storage should be separated from the main activity spaces, but accessible to the staff and volunteers. Provide adequate storage for art material.

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- c. Outdoor area - Personnel shall have visibility to all of the playground surface. It is necessary to have a cushioned surface that meets CPSC guidelines to prevent injury in the event of a fall. (Refer to Pub #325 Handbook for Public Playground Safety from the U.S. Consumer Products Safety Commission.) The playground equipment shall allow for varied activities and allow for visibility through the equipment.

3. Size

See table 5-4

4. Materials and Finishes

Activity Rooms

- a. Floor- easy to clean, sound absorbent, resilient, scratch resistant, anti-microbial, and stain resistant. 50/50 hard and soft surfaces.
- b. Walls- sound-absorbent, washable, material, tackable space for activity posting, display of artwork, etc. Washable. Transparent and translucent materials should be introduced to allow for increased visibility and security.
- c. Ceiling- Acoustically absorbent

Support Spaces

- e. Floor- easy to clean, sound absorbent, resilient, scratch and stain resistant
- f. Walls- sound absorbent material
- g. Ceiling- Acoustically absorbent

2. Furniture and Equipment

- a. Activity room-
 - ❑ Industrial grade tables and chairs for age appropriate height, that are cost effective.
 - ❑ Activity centers with trays and shelves
 - ❑ Built-in storage

- ❑ Easels for painting
- ❑ Cubby holes for storage of back-packs, etc. per cubby
- ❑ Shelves for books
- ❑ Wash area with sinks, upper and lower cabinets and outlets for electrical appliances.
- ❑ Instructor's desk and chair(s)

b. Support Spaces

- ❑ Storage room shall have sturdy shelving with various heights for materials
- ❑ Outdoor play area shall have electric water cooler
- ❑ Outdoor play equipment shall meet Consumer Product Safety Commission standards
- ❑ Outdoor play surfaces shall be soft and resilient under all equipment

c. Janitor-

- ❑ Mop Sink
- ❑ Hamper
- ❑ Shelving
- ❑ Storage for Volatile Chemicals

6. Environmental Controls

- a. Lighting- a minimum of 40-50 foot candles of shadow-free, glare-free illumination measured at 3'-0" above the ground is required. Light fixtures shall be mounted a maximum of 9'-0" above the finished floor to allow clear space for activities. Fixture locations shall be carefully coordinated with ductwork so as not to obstruct light or cast shadows. Additional lighting should be considered for wall displays.
- b. HVAC- adequate ventilation, temperature and relative humidity shall be maintained. Ventilation systems shall supply the required air change of 10 cfm per occupant.
- c. Acoustical- sound absorbent materials shall be used on ceilings.
- d. Fire Safety- sprinklers and fire alarms are required
- e. Plumbing- sinks shall have sediment traps and be chemical resistant.

D. Youth Center

The Youth Center consists of Pre-Teen and Teen spaces. These spaces need minimal separation. There will be cases when the groups will require individualized spaces. The room should accommodate the continually changing needs of the Pre-Teen and Teens. The space should be adjacent to the Computer Room, Multi-Purpose space with access to the Lobby and Snack / Vending. Refer. Fig. 6-5.

1. Use

The Youth Center is to be used by the Teens and Pre-Teens ages 9-18. The space will allow the Teens and Pre-Teens to socialize during group games as well as have access to more independent activities like computers or watching television in a homelike environment.

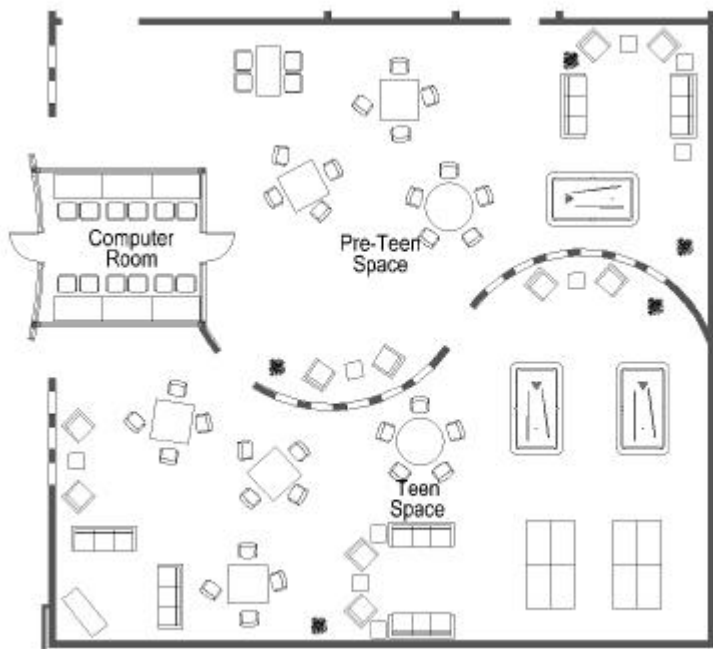
2. Circulation and Layout

- a. Pre-Teen (9-12)- Accessibility to the Snack/Vending Area, Computer Room, and Multi-purpose area are important to the Teen and Pre-Teen Spaces. The ability to roam freely is desirable for this group, yet it is critical for them to be seen at all times by the staff. Having visibility from the Control Station and Lobby as well as close proximity to the Administration Area is recommended.
- b. Teen (13-18)- Teens have similar requirements to the Pre-Teens, but they have a bit more latitude when it comes to direct control, it is still recommended that they have a close proximity to the Snack/Vending Areas, Computer Room and Multi-purpose area, in addition to the Control Station and Administration Area.

3. Size

see table 5-4

*Figure 6-5:
Youth Area*



4. Materials and Finishes

- a. Floor- easy to clean, sound absorbent, resilient, scratch resistant, anti-microbial, and stain resistant.
- b. Walls- sound-absorbent material, some tackable space for activity posting, artwork, etc. easy to clean, moveable interior dividers, transparent and translucent materials should be introduced to allow for increased visibility and security. Computer room shall have glass.
- c. Ceiling- Acoustically absorbent.

5. Furnishings and Equipment

- ❑ The space shall contain tables and chairs. Soft padded furniture, amusement machines (video games), darts, pool, Ping-Pong, etc. shall be accessible.
- ❑ Computers- preferably in a central location with high visibility, lockable, secure spaces, and storage for disks, paper, printer supplies, etc.

3. Environmental controls

- a. Lighting- a minimum of 50-60 foot candles of shadow-free, glare-free illumination measured at 3'-0" above the ground is required. Light fixtures shall be mounted a maximum of 9'-0" above the finished floor to allow clear space for activities. Fixture locations shall be carefully coordinated with ductwork so as not to obstruct light or cast shadows.
- b. HVAC- adequate ventilation, temperature and relative humidity shall be maintained. Ventilation systems shall supply the required air change of 10 cfm per occupant.
- c. Acoustical- sound absorbent materials shall be used on ceilings.
- d. Fire Safety- sprinklers and fire alarms are required.
- e. Electrical - provide power outlets at counter height for laptop computers or portable CD players. Outlets should be GFI.

E. Shared Spaces

The shared spaces are those spaces used by both the Youth and School Age Centers. These spaces are Snack/Vending and Kitchen, Storage, Lobby, Computer Room, Music Rooms and Multi-purpose area.

1. Use

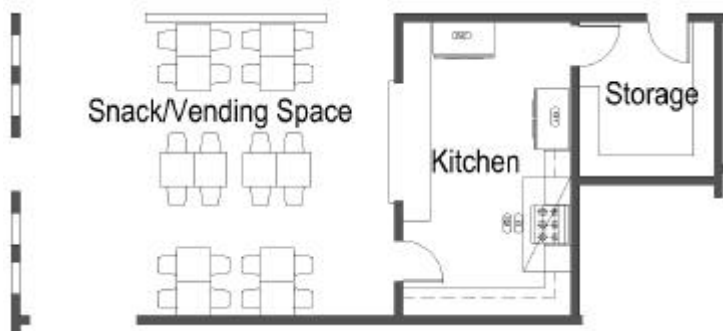
- a. **Snack/Vending Space-** This area is the eating space, vending area, study space, all around multi-purpose room.
- b. **Kitchen-** the Kitchen is for food preparation, dispensing, storage of dry goods and other necessities for feeding small to large sized groups. It is to be provided with Commercial Grade Food preparation equipment.
- c. **Storage-** all of the spaces will need adjacent storage areas. The space requirements will vary based upon this need

- d. **Lobby-** An additional waiting room is recommended for larger facilities, specifically for a parent waiting room. This Lobby would allow the parents the opportunity to view their children through glazing into the various multi-purpose spaces. CCTV stations shall be placed at the Control/Check-in Station and shall be visible to the visitors.
- e. **Computer Room(optional)-** this space allows for supervision and control of the computers in one area in addition to those throughout the building, in individual rooms.
- f. **Music Room-** the music room is to be used for lessons and practicing.
- g. **Multi-purpose -** Basketball games, dance recitals, indoor plays, etc. will all occur in this space.

2. Circulation and Layout

- a. **Snack/Vending Space-** This area should have access to the multi-purpose for events and major activities. It should also be highly visible from the Lobby and Multi-purpose. Refer. Fig. 6_6.
- b. **Kitchen-** adjacent to the Snack/Vending Area, close to a rear entrance for deliveries. Refer. Fig. 6-6.
- c. **Storage-** each of the spaces listed will need its own storage: the Multi-purpose, Kitchen, Music Rooms, and Control/Circulation station.

*Figure 6-6:
Kitchen and Snack Space*



- d. Lobby- It is critical that the lobby space have visibility to all of the Spaces, especially into the School Age Center, Teen's and Pre-Teen and Multi-purpose/ Gymnastics Spaces. The Control/Check-in counter is the node that binds the lobby. It is where monitoring of activities and entry/exit occurs. Refer Fig. 6-7. This allows visitors and parents to know where they need to be to pick-up children or go to an activity in the multi-purpose. Display cases can be incorporated in this space and along the corridors for display of projects.
- e. Computer Room (optional)- it is desirable to have a centralized computer room that is completely glazed to allow monitoring at all times, in addition to having secured access. Refer. Fig. 6-5
- f. Music Rooms- the Music rooms are a separate entities from the other major spaces. They should be accessed from the lobby and securable. They should be visible from the control point through a glass door. Refer Fig. 6-8
- g. Multi-purpose - the multi-purpose room holds all the larger activities, such as basketball, a portable stage, retractable seating. There will be separate rooms of the main body of the multi-purpose for gymnastics, and Instruction. Garage doors should be considered to open the multi-purpose space to the outdoors. The larger doors will allow for movement of equipment into the space as well as enhance circulation when A/C may not be used. Refer Fig. 6-8.
- h. Gymnastics/Instruction- This is a multi-purpose space, dividable for multiple tasks such as dance recitals, martial arts, gymnastics or other related events. Security is also an issue, there will be controlled access with visibility from the multi-purpose and lobby at all times. Storage spaces for equipment should be integrated into the design. Natural daylighting is important in this space as well.
- i. Restrooms - it is recommended that a changing space be included into the restrooms servicing the Multi-purpose room. It may also be necessary to include lockers in this space.

3. Size
see chart 5-4

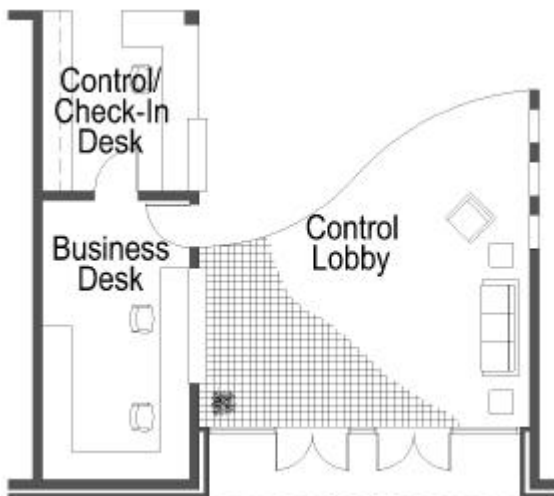
4. Materials and Finishes

- a. Floor- easy to clean, sound absorbent, resilient, scratch resistant. Multi-purpose flooring should be wood or monolithic poured resilient surface specifically for multi-purpose gyms. Mats will be placed in the Gymnastics Space.
- b. Walls- sound-absorbent material, durable and cleanable. Transparent and translucent materials should be introduced to allow for increased security and visibility. The multi-purpose space should integrate acoustical blocks.
- c. Ceiling- all exposed structural roof surfaces, made sound absorbent. This can be done with acoustically rated panels, insulated roof decking or other devices. Multi-purpose space shall have acoustical baffles or banners.

5. Furnishings and Equipment

- a. Snack/Vending Space
 - ☐ Tables and chairs
 - ☐ Vending Machines
- b. Kitchen-
 - ☐ Standard Commercial Grade Equipment
 - ☐ Range Top
 - ☐ Oven
 - ☐ Refrigerator/ Freezer
 - ☐ Microwave
- c. Storage-
- d. Lobby-
 - ☐ Soft Padded furniture
 - ☐ Tables
 - ☐ Control desk - the desk shall be ADA accessible with 2 counter heights
 - ☐ Magazine stand
- e. Computer Room (optional)
 - ☐ Computers, printers and scanners
 - ☐ Individual desks or long tables (2 age appropriate sizes) that can be locked
 - ☐ Storage for disks, paper, printer supplies, etc.
 - ☐ Writing board in front of room
- f. Music Room-
 - ☐ Storage cabinet
 - ☐ Chairs
 - ☐ Music stands
- g. Multi-purpose -
 - ☐ 4 tier retractable bleacher seating
 - ☐ Divider
 - ☐ Basketball stands
 - ☐ Portable stage w/ ramp and guardrails
 - ☐ Bars for theatrical lighting
 - ☐ Sound Baffles
- h. Gymnastics/Instruction
 - ☐ Floor mats
 - ☐ Gymnastics equipment
 - ☐ Mirrors
 - ☐ Barre (Ballet handrail)

*Figure 6-7:
Business Transaction and Control Counter*

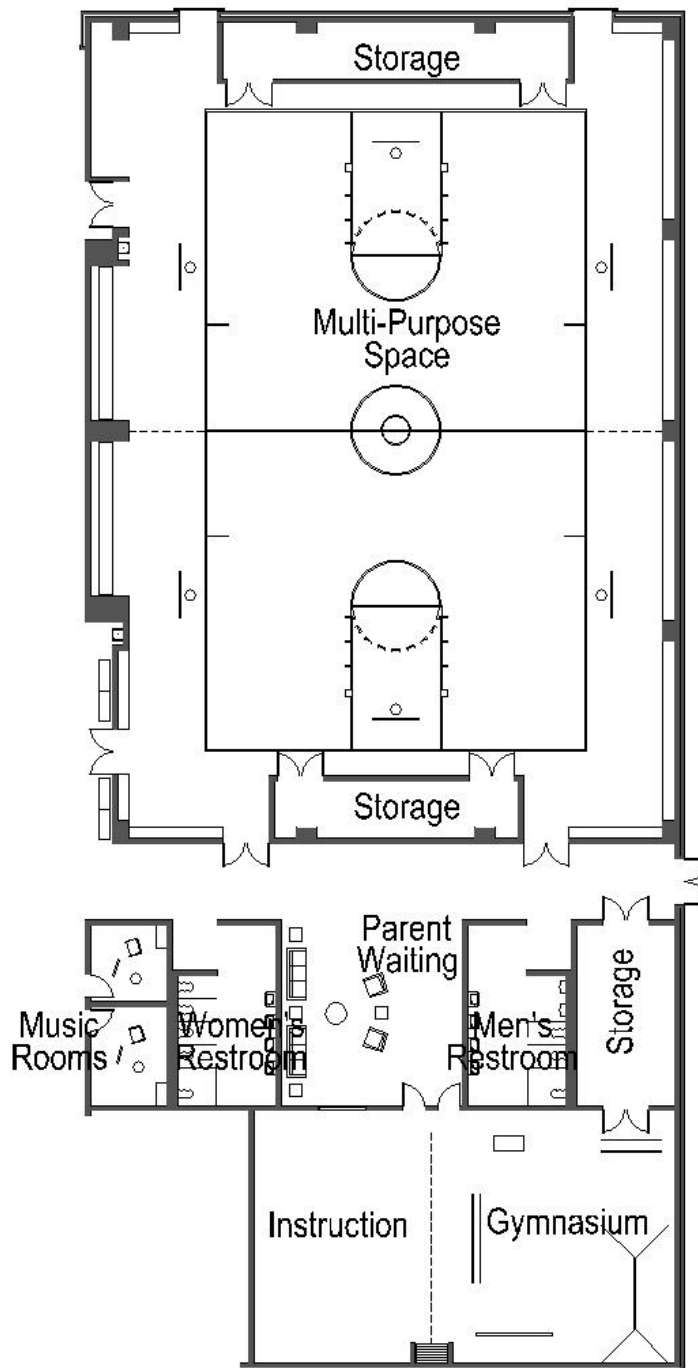


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Youth / School Age Center

Figure 6-8:
Multi-Purpose Space and Gymnastics Space



6. Environmental controls

- a. Lighting- a minimum of 50-60 foot candles of shadow-free, glare-free illumination measured at 3'-0" above the ground is required. Light fixtures shall be mounted a maximum of 9'-0" above the finished floor in Snack/Vending, Kitchen, Storage Spaces, Lobby, Computer Room, and Music Rooms. In the Gym and Gymnastics/ Instructional Spaces the lights must be mounted to the underside of the structure to allow clear space for activities. Fixture locations shall be carefully coordinated with ductwork so as not to obstruct light or cast shadows.
- b. HVAC- adequate ventilation, temperature and relative humidity shall be maintained. Ventilation systems shall supply the required air change of 10 cfm per occupant.
- c. Acoustical- sound absorbent materials shall be used on ceilings.
- d. Fire Safety- sprinklers and fire alarms are required
- e. Plumbing- sinks shall have sediment traps and be chemical resistant.